

DETAILED ACTION

Allowable Subject Matter

1. Claims 6-11 and 16-23 are allowed.
2. The following is an examiner's statement of reasons for allowance:
3. Claim 7 recites an LCD device with pixel electrodes having a plurality of circular patterns connected to at least two neighboring circular patterns within the pixel electrode, and where a group of circular patterns are shifted one half pitch from a neighboring group of circular patterns. The prior art does not disclose the device of claim 7. Claim 7 is therefore allowed, as are its dependent claims 6, 8-11 and 16-23.
4. Takatori et al. (US 6,504,592), Suzuki et al. (US 7,006,180), Okumura et al. (US 6,924,856), and Kressmann et al. (US 6,842,212) each disclose an LCD with pixel electrodes having groups of connected circular patterns. However, they do not disclose wherein each circular pattern is connected to at least two neighboring circular patterns within the pixel electrode, or where a group of circular patterns are shifted one half pitch from a neighboring group of circular patterns.
5. Miyachi et al. (US 6,384,889) discloses an LCD with pixel electrodes having circular patterns, where each group of patterns are deviated one half pitch from another adjacent group. However, each pattern is not connected to at least two other patterns.
6. Okada et al. (US 6,894,752) discloses an LCD with circular pixel electrodes, wherein the electrodes are shifted one half pitch with respect to a neighboring row of electrodes. However, Okada does not disclose wherein groups of circular patterns

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within each pixel electrode are shifted one half pitch with respect to a neighboring group of patterns.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathanael R. Briggs whose telephone number is (571) 272-8992. The examiner can normally be reached on 9 AM - 5:30 PM Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Nathanael Briggs
12/26/2006


ANDREW SCHECHTER
PRIMARY EXAMINER